LESSON PLAN

Name of the Institute:	C. V. Raman Polytechnic
Department:	Mathematics
Semester/Division/Branch:	2nd
Subject Name with code:	ENGINEERIN G MATHEMATICS-II
Total No. of Class (Required):	75
Faculty Name:	ITISHREE NAYAK

Class No.	*Brief description of the Topic/Chapter to be taught*	Remarks
1	Introduction of vector	
2	Types of vector	
3	Representation of vector,magnitudeand direction of vector	
4	Addition of vectors	
5	Subtraction of vectors	
6	Problem solve	
7	Position vector	
8	Scalar and Dot product of two vectors	
9	Problem solve	
10	Vector or cross product of two vectors	
11	Problem solve	
12	Area of triange and parallelogram	
13	Problem solve	
14		
15	CLASS TEST	
16	Defination of function based on set theory	
17	Types of functions	
18	Introduction to limit ,Existence of limit	
19	Method of elevation of limit,standard formulae of limit	
20		
21		
22		
23	Defination of continuity of a function at a point Problem solve	
24		
25		
26		
27	CLASS TEST	
28	Deivative of a function at a given point	
29	Algebra of derivative	
30	Derivative of standard function	
31		
32	Problem solve	
33	Derivative of composite function	
34	Problem solve	
35	Method of differentiation of parametric form	

36	Problem solve	
37	Method of differentiation of implicity function	
38	Problem solve	
39	Method of differentiation of logarithim function	
40	Problem solve	
41	Method of differentiation ofa function w.r.t another function	
42	Application of derivative	
43		
44	Problem solve	
45	Partial differentiation	
46	Problem solve	
47		
48	CLASS TEST	
49	Defination of interation as inverse of differentiation	
50	Substain method of integration	
51	Byparts method of integration	
52	Problem solve	
53	Integration of standard form	
54		
55	Problem solve	
56		
57		
58	Properties of definte integration	
59	Problem solve	
60		
61		
62	Application of interation	
63	Problem solve	
64	Introduction of DIFFENTIAL EQUATION	
65	Types of diferential equation,order and degree	
66	Problem solve	
67	Solution of 1st order and first deree equation	
68		
69	Solution of linear differential equation	
70		
71		
72		
73	Problem solve	
74	Problem solve	
75	Previous year question discussion	

Signature of the Faculty

Signature of the H.O.D